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WHAT IS CLAIMED IS:

1. An image processing apparatus for processing an image in accordance with property information for defining an image processing method for processing image data of the image, comprising:

inputting means for inputting the image data, key information used for recognizing alteration of the image data, and the property information;

judging means for judging from the image data and the key information input by said inputting means whether the image data was altered; and

controlling means for controlling an execution of the image processing method in accordance with a judgement by said judging means and the property information.

- 2. An image processing apparatus according to claim 1, further comprising an interface for accessing a detachable memory wherein the image data, the key information and the property information are stored in the detachable memory.
- 3. An image processing apparatus according to claim 1, wherein the property information defines the image processing method used for executing printing output.

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- 4. An image processing apparatus according to claim 1, wherein the property information defines contents of the control to be executed by said controlling means in accordance with the judgement by said judging means.
- 5. An image processing apparatus according to claim 1, wherein the image data input by said inputting means includes a digital signature, the key information is key information used for the digital signature, and said image processing apparatus further comprises digital signature decrypting means for decrypting the digital signature by using the key information.
- 6. An image processing apparatus according to claim 5, wherein said judging means executes a judgement process by comparing information obtained by calculating the image data in a predetermined manner with information obtained by said digital signature decrypting means.
 - 7. An image processing method for processing an image in accordance with property information for defining an image data processing method, comprising the steps of:

inputting image data, key information used for recognizing alteration of the image data, and the

property information;

judging from the image data and the key information input at said inputting step whether the image data was altered; and

controlling an execution of the image processing method in accordance with a judgement at said judging step and the property information.

- 8. A storage medium storing processorimplementable instructions for controlling a processor to carry out the method on Claim 7.
- 9. An image processing system with an interface capable of accessing a memory medium, comprising:

information reading means for reading a digital signature of image file data stored in the memory medium, a secret key used for the digital signature, or a public key paired to the secret key, together with the image file data and property information for defining an image processing method for processing image data; and

image output controlling means for outputting an image in accordance with information read by said information reading means.

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10. An image processing system according to claim9, further comprising digital signature decrypting

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means for decrypting the digital signature of the image file data read by said information reading means by using the public key.

11. An image processing system according to claim 9, further comprising calculating means for calculating an image file specific value obtained from the image file data by using one-way function.

12. An image processing system according to claim 9, further comprising image file data examining means for examining the image file data in accordance with a data value obtained by said digital signature decrypting means and the value obtained by the calculating means.

13. An image processing system with an interface capable of accessing a memory medium, comprising:

memory medium detecting means for detecting a connection of the memory medium to the interface;

information reading means, responsive to a detection of the connection of the memory medium by said memory medium detecting means, for reading a digital signature of image file data stored in the memory medium, a secret key used for the digital signature, or a public key paired to the secret key, together with the image file data and property

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information for defining an image processing method for processing image data; and

image output controlling means for outputting an image in accordance with information read by said information reading means.

14. An image processing system with an interface capable of accessing a memory medium, comprising:

image file data generating means for generating
image file data to be stored in the memory medium;

image file data storing means for storing the image file data generated by said image file data generating means in the memory medium;

calculating means for calculating an image file specific value obtained from the image file data by using a one-way function; and

digital signature generating means for generating a digital signature by dycrypting the value calculated by said calculating means by using a secret key stored in the memory medium.

15. An image processing system according to claim14, further comprising:

first storing means for storing the digital

25 signature generated by said digital signature

generating means together with property information for

defining an image data processing method for processing

image data in a property area of the memory medium; and second storing mans for storing the image file data to be signed in the memory medium.

16. An image processing system according to claim 14, wherein the secret key for decrypting the value calculated by said calculating means is an apparatus specific secret key.

17. An image processing system according to claim
14, further comprising secret key generating means for
newly generating a secret key for decrypting the value
calculated by said calculating means, in accordance
with a user definition.

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18. An image processing method for an image processing system with an interface capable of accessing a memory medium, the method comprising the steps of:

reading a digital signature of image file data stored in the memory medium, a secret key used for the digital signature, or a public key paired to the secret key, together with the image file data and property information for defining an image processing method for processing image data; and

outputting an image in accordance with information read at said information reading step.

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- 19. An image processing method according to claim 18, further comprising a step of decrypting the digital signature of the image file data read at said information reading step by using the public key stored in the memory medium.
- 20. An image processing method according to claim 18, further comprising a step of calculating an image file specific value obtained from the image file data by using one-way function.
- 21. An image processing method according to claim20, further comprising the steps of:

decrypting the digital signature of the image file data;

comparing a value obtained at said digital signature decrypting step with the value obtained at the calculating step; and

examining the image file data in accordance with a comparison result at said comparing step.

- 22. An image processing method for an image processing system with an interface capable of accessing a memory medium, comprising:
- a memory medium detecting step of detecting a connection of the memory medium to the interface;
 - a reading step, responsive to a detection of the

connection of the memory medium at said memory medium detecting step, of reading a digital signature of image file data stored in the memory medium, a secret key used for the digital signature, or a public key paired to the secret key, together with the image file data and property information for defining an image processing method for processing image data; and outputting an image in accordance with information

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23. An image processing method for an image processing system with an interface capable of accessing a memory medium, comprising the steps of:

read at said reading step.

generating image file data to be stored in the memory medium;

storing the image file data generated at said image file data generating step in the memory medium;

calculating an image file specific value obtained from the image file data by using a one-way function; and

generating a digital signature by dycrypting the value calculated at said calculating step by using a secret key stored in the memory medium.

24. An image processing method for an image processing system according to claim 23, further comprising the steps of:

storing the digital signature generated at said digital signature generating step together with a property file in a property area of the memory medium; and

- storing the image file data to be signed in an image file area of the memory medium.
- 25. An image processing method according to claim 20, wherein the secret key for decrypting the value 10 calculated at said calculating step is an apparatus specific secret key.
 - 26. An image processing method according to claim 20, further comprising a step of newly generating a secret key for decrypting the value calculated at said calculating step, in accordance with a user definition.
 - 27. A memory card storing:

image data file;

digital signature information of said image data file;

secret key information used for the digital
signature;

public key information paired to said secret key;
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property information defining an image processing method for processing image data.

- 28. A storage medium storing processorimplementable instructions for controlling a processor to carry out the method on Claim 18.
- 5 29. A storage medium storing processorimplementable instructions for controlling a processor to carry out the method on Claim 22.
- 30. A storage medium storing processorimplementable instructions for controlling a processor
 to carry out the method on Claim 23.